

Amendments to the Specification

Please replace the paragraph that begins on page 2, line 5, with the following amended paragraph:

The amount of buffer memory required depends on the disk drive throughput capability and host application data streaming requirements. To determine disk drive throughput capability for various host data streaming requirements, the disk drive must be tested for all possible host application streaming data transfer rates, which are dynamic and varied. Determining the amount of buffer memory required, by measuring ~~Measuring a disk drive performance for a worst case streaming data transfer rate requirement, to determine buffer memory needs is inconclusive~~ does not ensure that the amount of buffer memory will be sufficient of the disk drive's performance for other data transfer rate requirements. As such, conventionally a disk drive must be re-tested at each required data transfer rate to ensure that for a given buffer size the disk drive can meet data transfer rate requirements of the host system in any condition at any data transfer rate. This is very time consuming and expensive, substantially decreasing productivity, and increasing disk drive costs for the manufacturers and consumers.